

and have an open end and a closed end. The closed end must be reinforced because the closed end of the sleeve will be the most stressed part since it is holding the spoke in the bent position when “The Sprouting Umbrella” is open. The closed end of each sleeve will be sewn durably to one of the corners of the canopy. The open end of each sleeve will be sewn to the top static ring so as to let the spokes extend through the sleeves with no resistance.

CLAIM OR CLAIMS

To separate the sprouting umbrella from normal umbrellas, the distinct difference is the way it opens and closes. To make that possible we designed the spokes (attached to the dynamic ring) to slide from their unopened position of aligned with the shaft, through the sleeves sewn into the umbrella fabric, to open the umbrella.

What we claim is:

1. A sprouting umbrella made of:

- a channeled shaft with a handle connected at the bottom;
- a multitude of flexible spokes, individually located in each channel of the shaft;
- two immovable rings attached to the channeled shaft, the top ring containing holes which align with the channels, so as to let each individual spoke move freely through its aligned hole;

-one moveable ring, attached to the bottom of all the spokes , through the channels, able to slide the spokes simultaneously through their aligned holes freely;

-a canopy with multiple sleeves woven in, equal in quantity to the number of spokes, and aligned with the holes in the top immoveable ring.

-a multitude of governing strips, equal in quantity to the number of spokes, and aligned with sleeves of the canopy.

2. An umbrella according to claim 1, wherein said moveable ring is able to lock in place with the bottom immoveable ring and top immoveable ring separately.

3. An umbrella according to claim 1, wherein each sleeve is woven to the top immoveable ring, aligned with its multitude of holes, so as to allow the spokes to extend through the sleeves when opening the umbrella, and woven to outer edge of the canopy to fully extend the canopy when opening.

4. An umbrella according to claim 1, wherein each governing strip is woven to the closed (outer) end of each sleeve, and the top immoveable ring, aligned with its holes;

- each governing strip also being shorter in length than each individual sleeve, or less in measure than the radius of the entire canopy, so as to force the sleeves, spokes, and canopy to arch up while in the opened position.